SIEMENS

ARCADIS

SP

Installation and Start-up

System

Paper Printer Installation

Codonics printer EP-1660
Sony UP-D72XR

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NOTE

Local printer, PostScript printer

These printer types are not approved for diagnostic purposes.

Notify the responsible personnel about this limitation.

NOTE

Local or PostScript printer installations

are not included when performing a backup.

You should therefore make a note of the relevant data, such as printer and IP address.

Required Documents

Name	Print number
Troubleshooting Guide ARCADIS	SPR2-310.840.01.xx

Sony printer installation

Mounting frame installation

- Switch off the system.

Fig. 1: Mechanical installation

- Remove the front cover of the monitor carriage.
- Remove the rear cover of the monitor carriage.
- Install the mounting frame (see marked screws). Remove Imaging System PC if necessary.

Fig. 2: Sony printer, front view

- Place the printer in the monitor carriage.

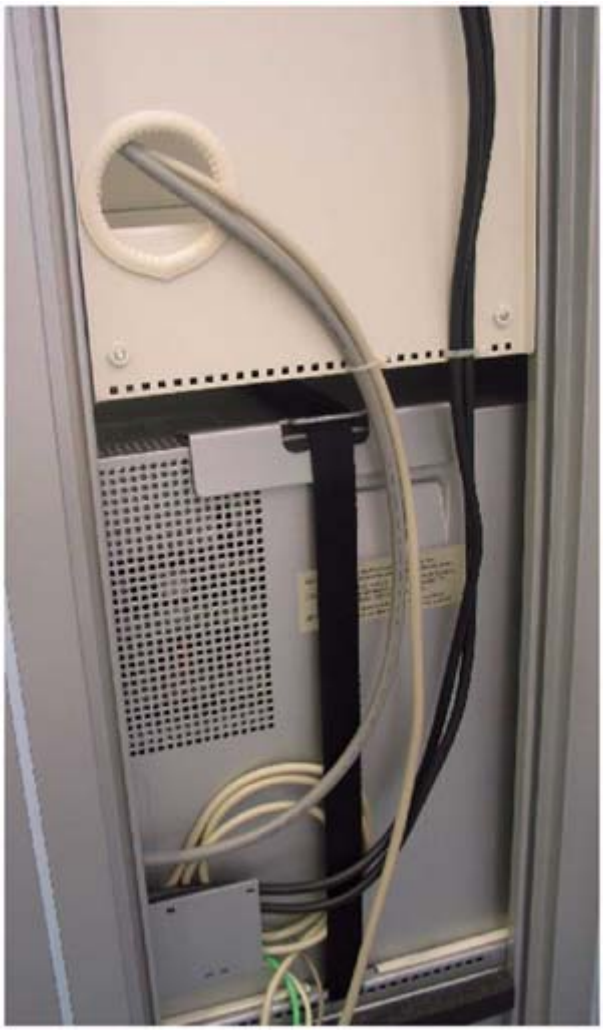

Fig. 3: Cable routing

- Remove the left side cover of the monitor carriage (PC side).
- Route the power cable and USB cable from the PC to the printer.

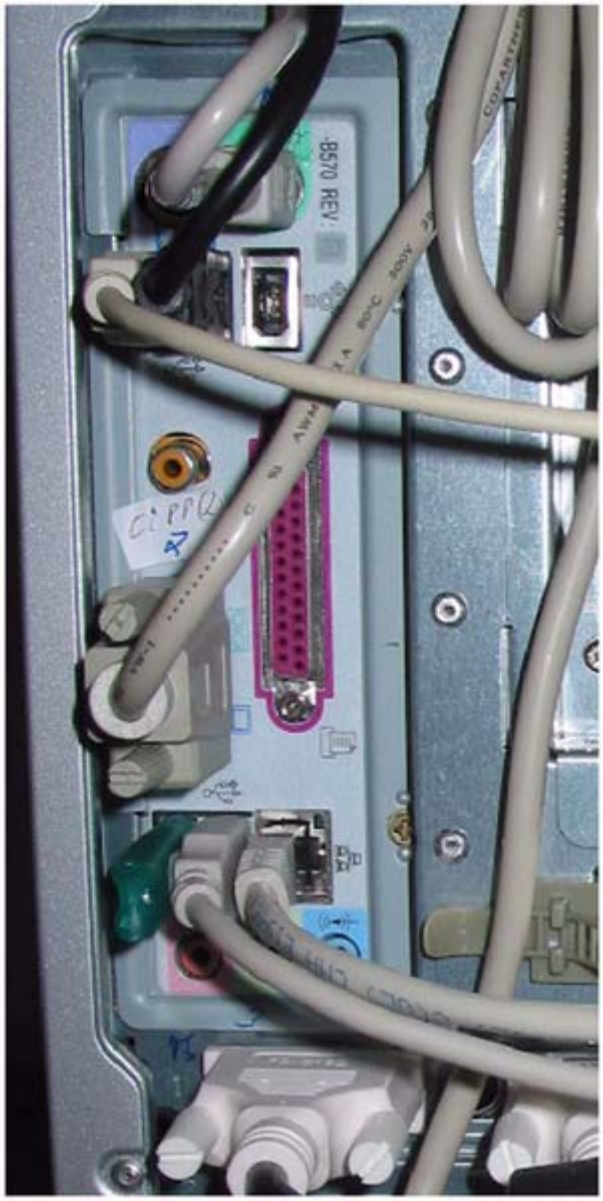

Fig. 4: PC USB connection

- Connect the USB cable next to the dongle to the Imaging System PC.

Fig. 5: Sony USB

- Connect the power cable to the printer.
  - The Sonly LPR 1000 is depicted in the image as an example.
- Do NOT YET connect the USB cable to the printer.
  - This cable has to be connected after installing the printer software.
- Set the power switch to “1”.

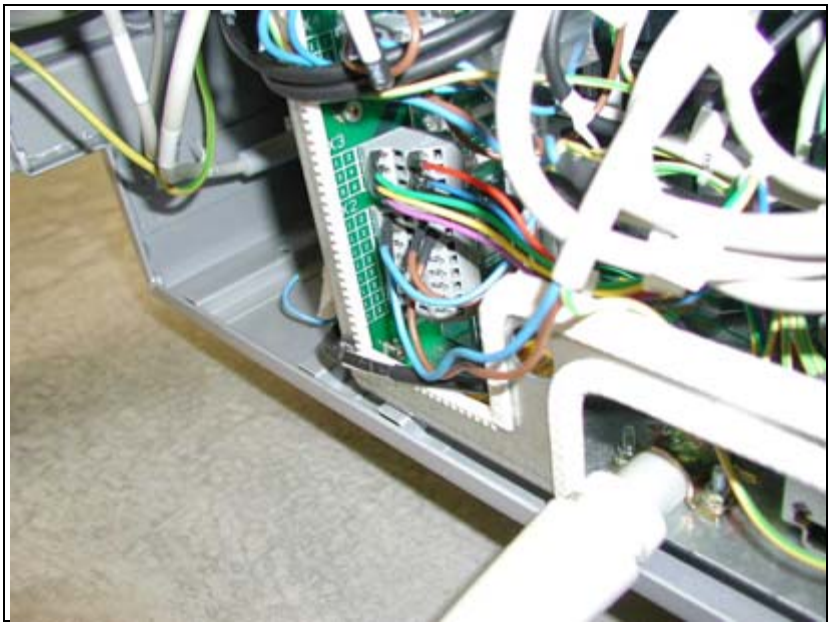

Fig. 6: Connection_X3_001

- Connect the power cable to X3.1 and X3.2.

  X3.1 = blue

  X3.2 = brown
- Start up the printer following the instructions included.

Sony printer startup

Sony printer UP-D72XR

- Perform the following steps according to the printer start-up manual:

NOTE	**Keep the transport safety materials. They have to be used when replacing or shipping the printer.**

Codonocs Printer Installation

NOTE	**Procedure depends on whether imaging system software VB10C or VB11 is installed.**

Deleting the installed printer

NOTE	**This is to be performed as a function of the software version.**

- Log on as administrator.
- Click the Windows "Start" button in the task bar.
- Select "Settings".
- Select "Printer and faxes”.
  - ➪ The installed printers are displayed.
- Click on and delete the printer to be replaced.
  - If print jobs are still present, the printer cannot be deleted. Delete these print jobs.
- Select "Server properties" under "File".
- Select "Forms".
- Select format "8x10".
- Click on "Delete”.
- Click on "Close".
  - ➪ The displayed window is automatically closed.
- Close the "Printer and Faxes" window.

Codonics Printer Installation with installed Imaging System Software via LPT1

- Insert “imaging system CD 1” into the CD drive.
- Click the Windows “Start” button in the task bar.
- Select “Settings”.
- Select “Printers and faxes”.

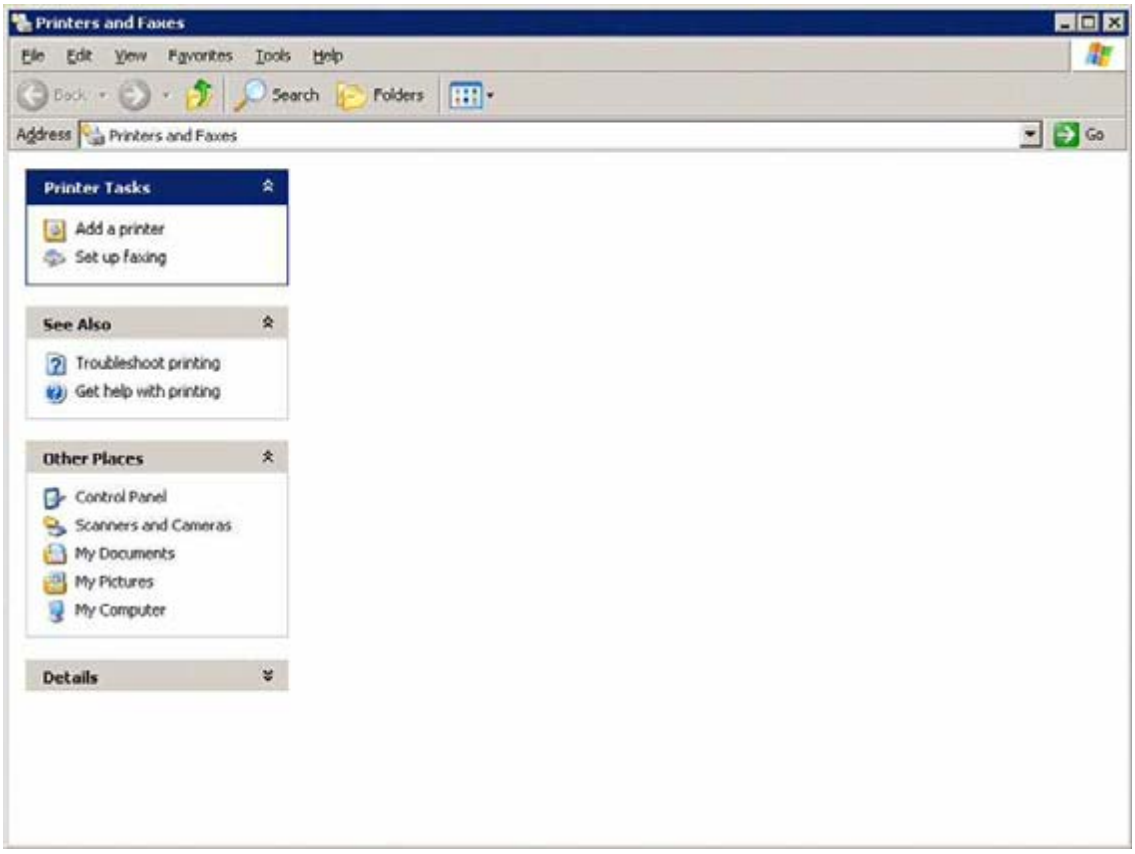

Fig. 7: 01_printer_start

- Select “Add a printer”.

Add Printer Wizard
Welcome to the Add Printer Wizard
This wizard helps you install a printer or make printer connections.
If you have a Plug and Play printer that connects through a USB port (or any other hot pluggable port, such as IEEE 1394, infrared, and so on), you do not need to use this wizard. Click Cancel to close the wizard, and then plug the printer's cable into your computer or point the printer toward your computer's infrared port, and turn the printer on. Windows will automatically install the printer for you.
To continue, click Next.
< Back
Next >
Cancel

Fig. 8: 02_printer_start

- Select “Next”.

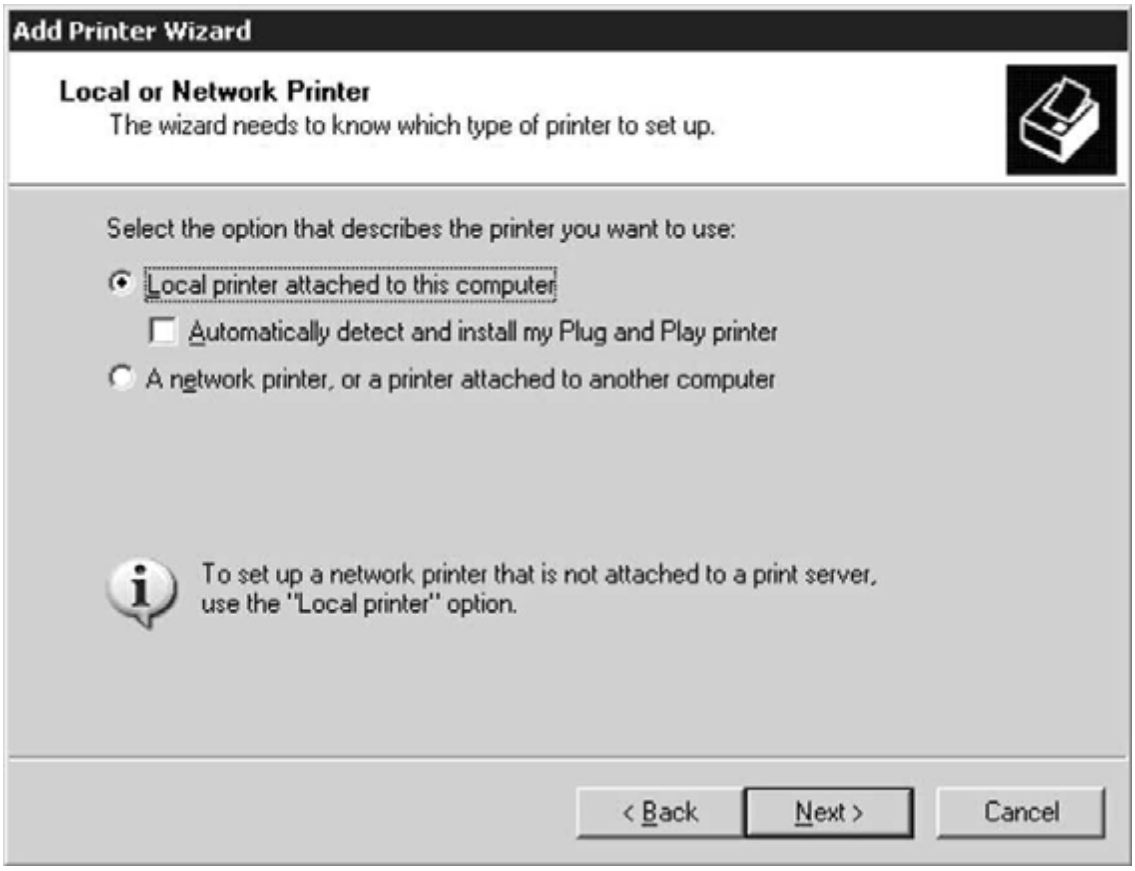
Add Printer Wizard
Local or Network Printer
The wizard needs to know which type of printer to set up.
Select the option that describes the printer you want to use:
Local printer attached to this computer
Automatically detect and install my Plug and Play printer
A network printer, or a printer attached to another computer
To set up a network printer that is not attached to a print server, use the "Local printer" option.
< Back
Next >
Cancel

Fig. 9: 03_printer_LocalorNetwork

- Select “Local printer attached to this computer”.
- Do NOT select “Automatically detect and install my plug and play printer”.
- Click “Next”.

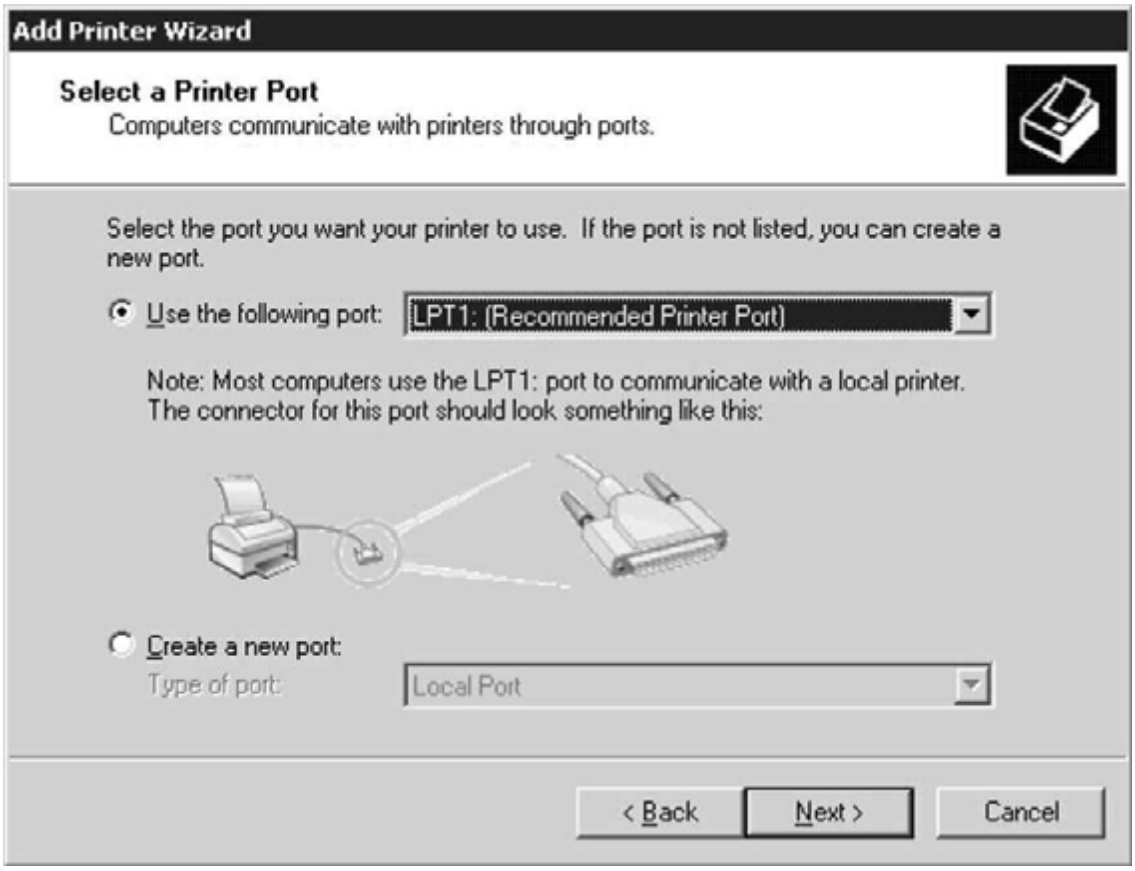
Add Printer Wizard
Select a Printer Port
Computers communicate with printers through ports.
Select the port you want your printer to use. If the port is not listed, you can create a new port.
Use the following port:
LPT1: (Recommended Printer Port)
Note: Most computers use the LPT1: port to communicate with a local printer.
The connector for this port should look something like this:
Create a new port:
Type of port:
Local Port
< Back
Next >
Cancel

Fig. 10: 20_printer_LPT1

- Select “Use the following port”.
- Select “LPT 1”.
- Click “Next”.

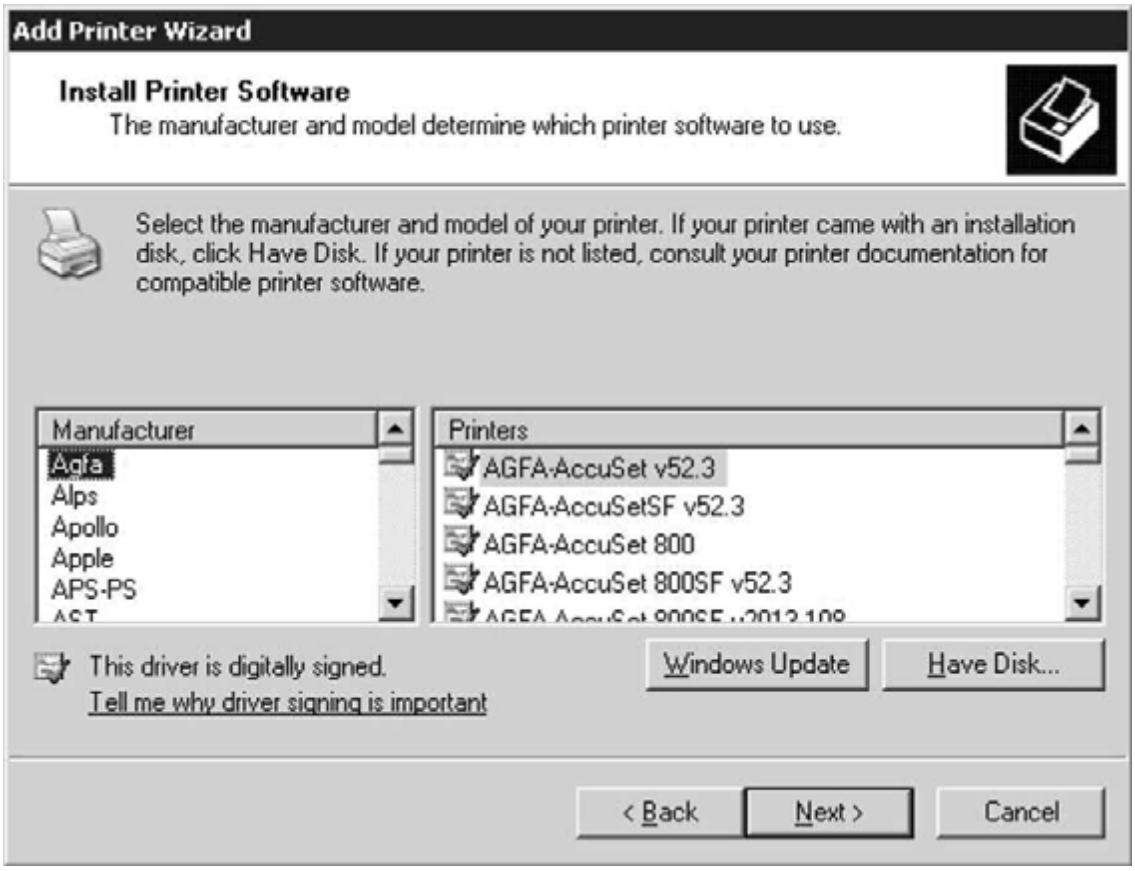
Add Printer Wizard
Install Printer Software
The manufacturer and model determine which printer software to use.
Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for compatible printer software.
Manufacturer
Agfa
Alps
Apollo
Apple
APS-PS
Printers
AGFA-AccuSet v52.3
AGFA-AccuSetSF v52.3
AGFA-AccuSet 800
AGFA-AccuSet 800SF v52.3
This driver is digitally signed.
Tell me why driver signing is important
Windows Update
Have Disk...
< Back
Next >
Cancel

Fig. 11: 13_printer_software

- Click “Have disk”.

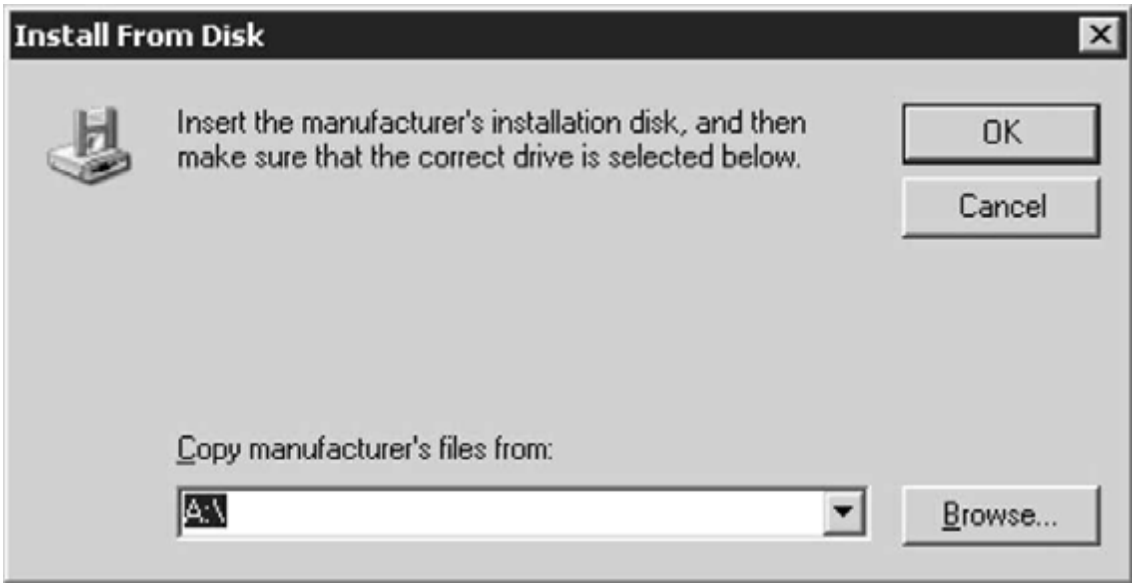

Fig. 12: 14_printer_installfile

- Click “Browse” and select the path “R:\OEMSetup\PRINTER\CODONICS\EP1660” as follows:

- Select Drive “R: ”.
- Double-click on “OEMSetup ”.
- Double-click on “PRINTER”.
- Double-click on “CODONICS”.
- Double-click on “EP1660”.
- Click “OEMSETUP.INF”.
- Click “Open”.
- Click “OK”.
- Select “Codonics EP 1660”.
- Click “Next”.

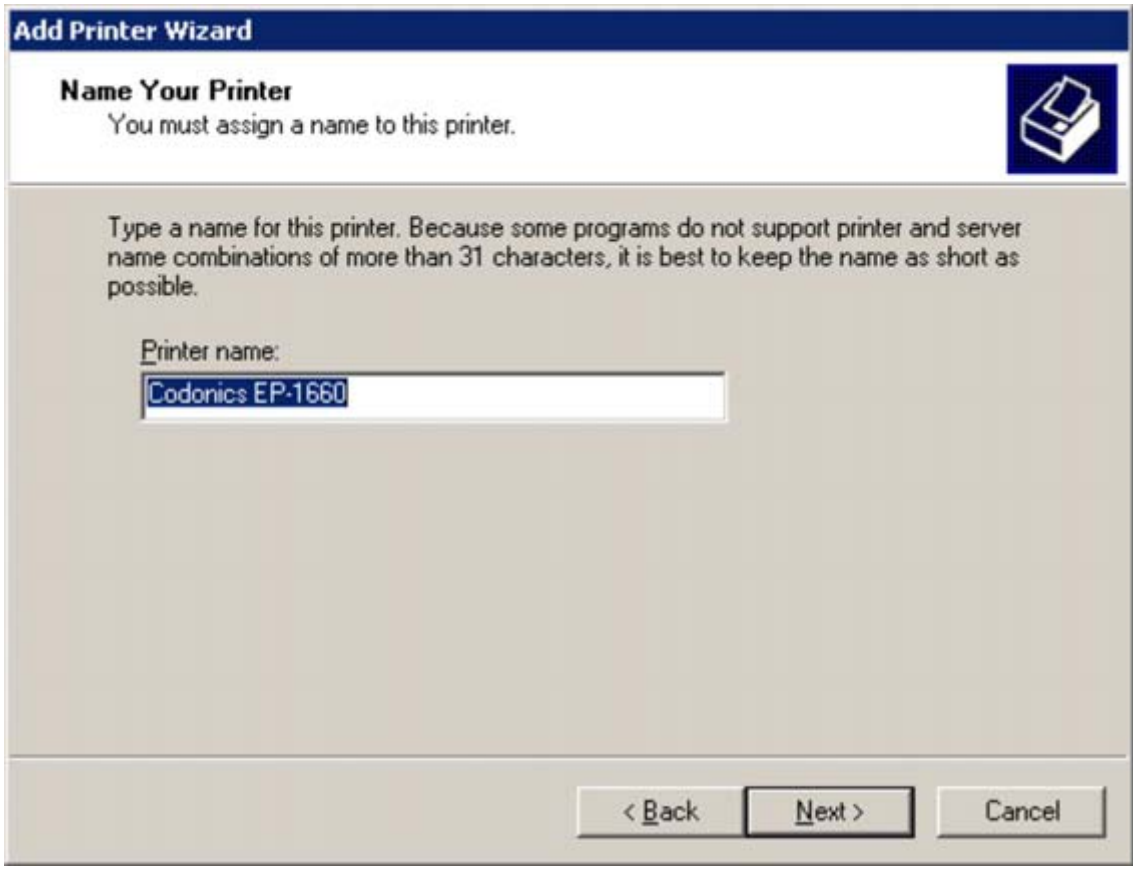
Add Printer Wizard
Name Your Printer
You must assign a name to this printer.
Type a name for this printer. Because some programs do not support printer and server name combinations of more than 31 characters, it is best to keep the name as short as possible.
Printer name:
Codonics EP-1660
< Back
Next >
Cancel

Fig. 13: Codonics printer name

- Check that the following is displayed under Printer: “Codonics EP 1660 ”.
- Click “Next”.

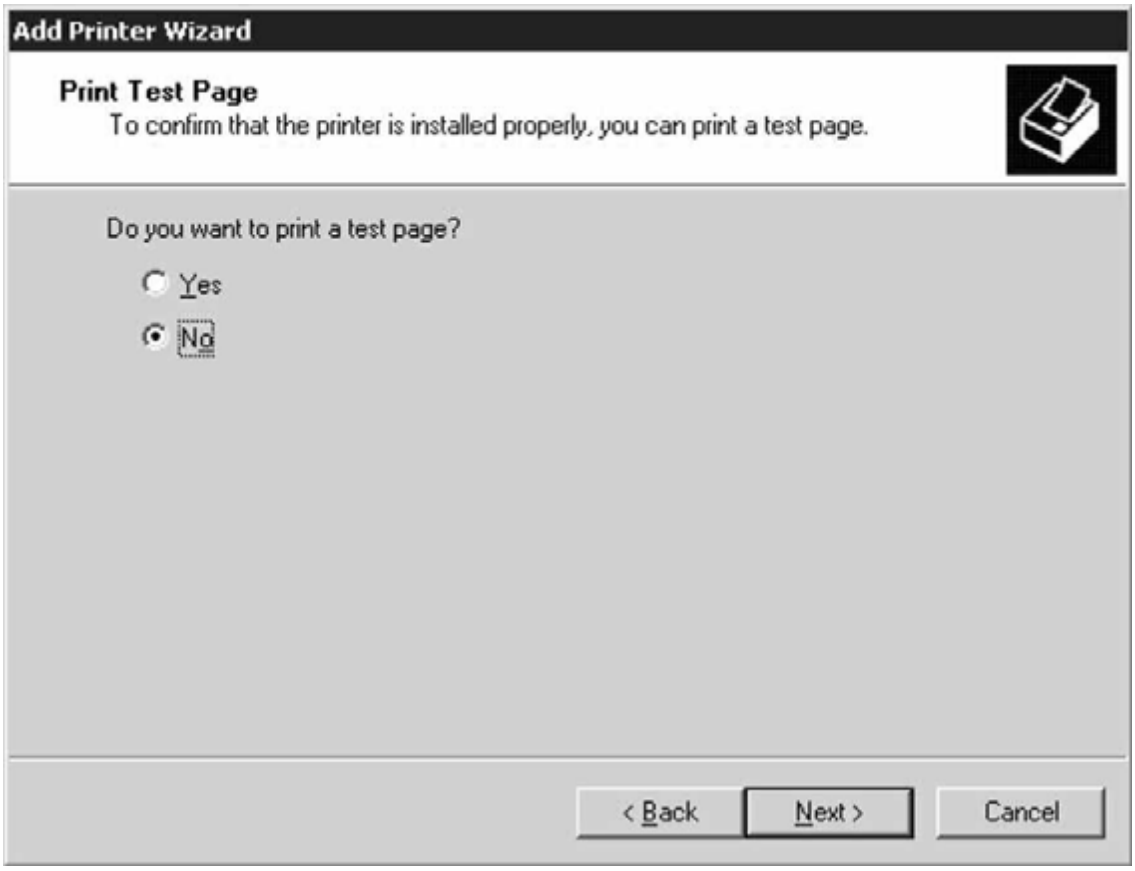
Add Printer Wizard
Print Test Page
To confirm that the printer is installed properly, you can print a test page.
Do you want to print a test page?
Yes
No
< Back
Next >
Cancel

Fig. 14: 17_printer_testpage

- Select “No”.
- Click “Next”.

Fig. 15: Codonics printer setup complete

- Click “Finish”.
  - ➪ The files are installed.

Printer settings

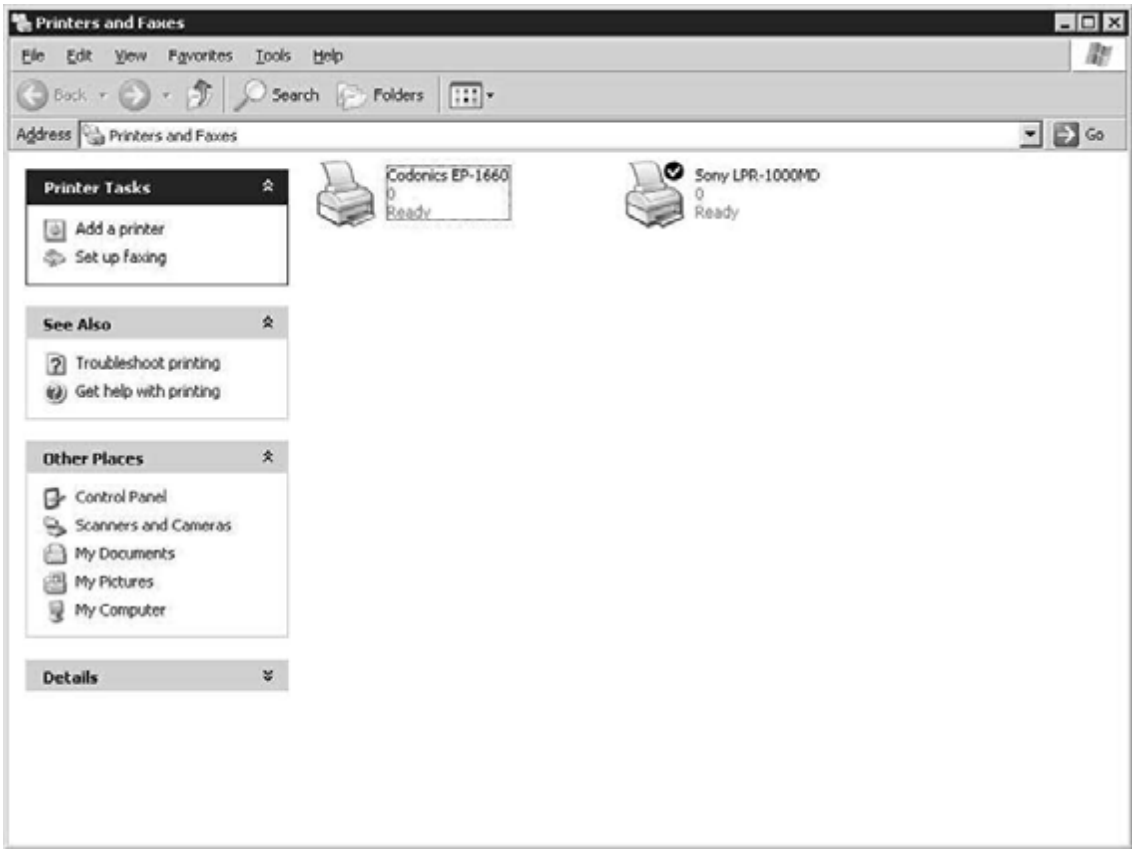

Fig. 16: add printer

- Click “Codonics EP_1660”.
- Click the right mouse button.
- Click “Properties”.
- Click “Advanced”.
- Click “Printing defaults”.
- Click “Advanced”.
- Select "(8x10)" under "Paper size".
- Click “OK”.
- Click “OK”.
- Click “OK”.
- Log off as administrator.

Printer test

- Conduct the printer test at the end of the "Printer Software Installation" chapter.

Codonics Printer Installation with installed Imaging System Software VB11 via EPR

- Log on as administrator.
- Click the Windows “Start” button in the task bar.
- Select “Settings”.
- Select “Printers and faxes”.

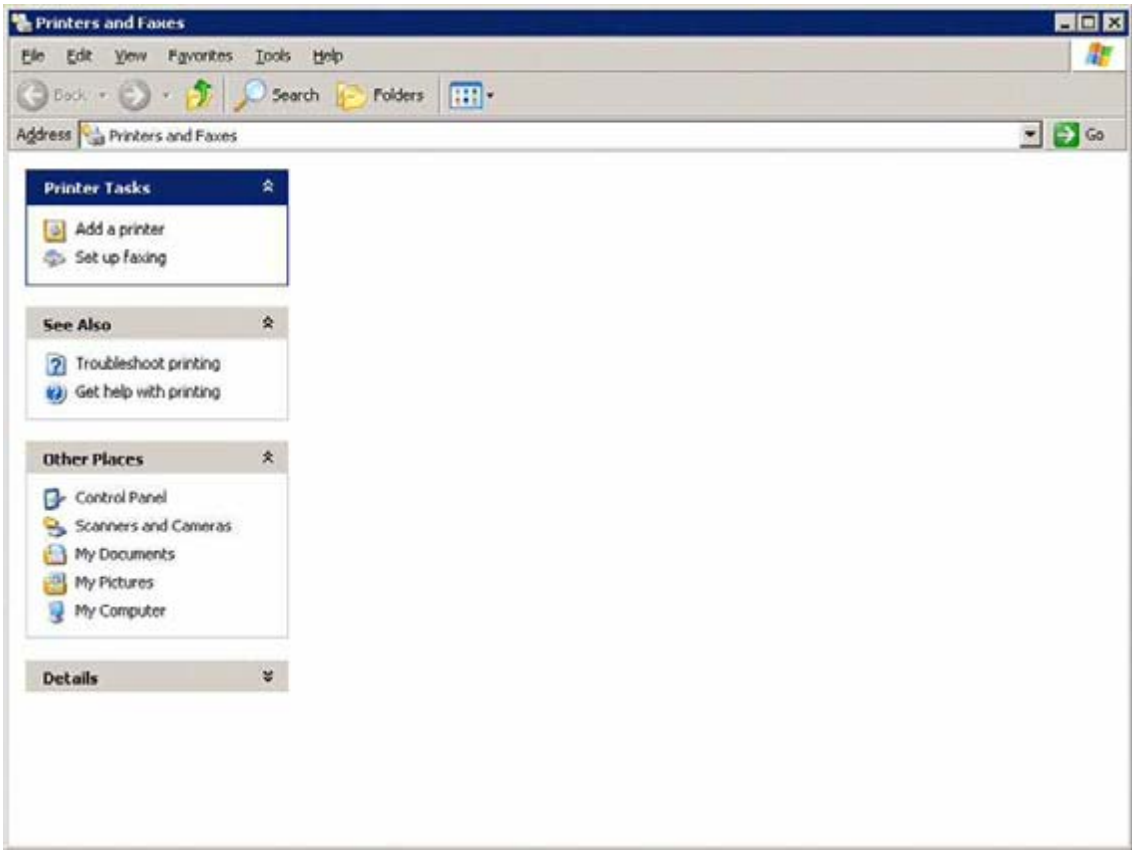

Fig. 17: 01_printer_start

- Select “Add a printer”.

Add Printer Wizard
Welcome to the Add Printer Wizard
This wizard helps you install a printer or make printer connections.
If you have a Plug and Play printer that connects through a USB port (or any other hot pluggable port, such as IEEE 1394, infrared, and so on), you do not need to use this wizard. Click Cancel to close the wizard, and then plug the printer's cable into your computer or point the printer toward your computer's infrared port, and turn the printer on. Windows will automatically install the printer for you.
To continue, click Next.
< Back
Next >
Cancel

Fig. 18: 02_printer_start

- Select “Next”.

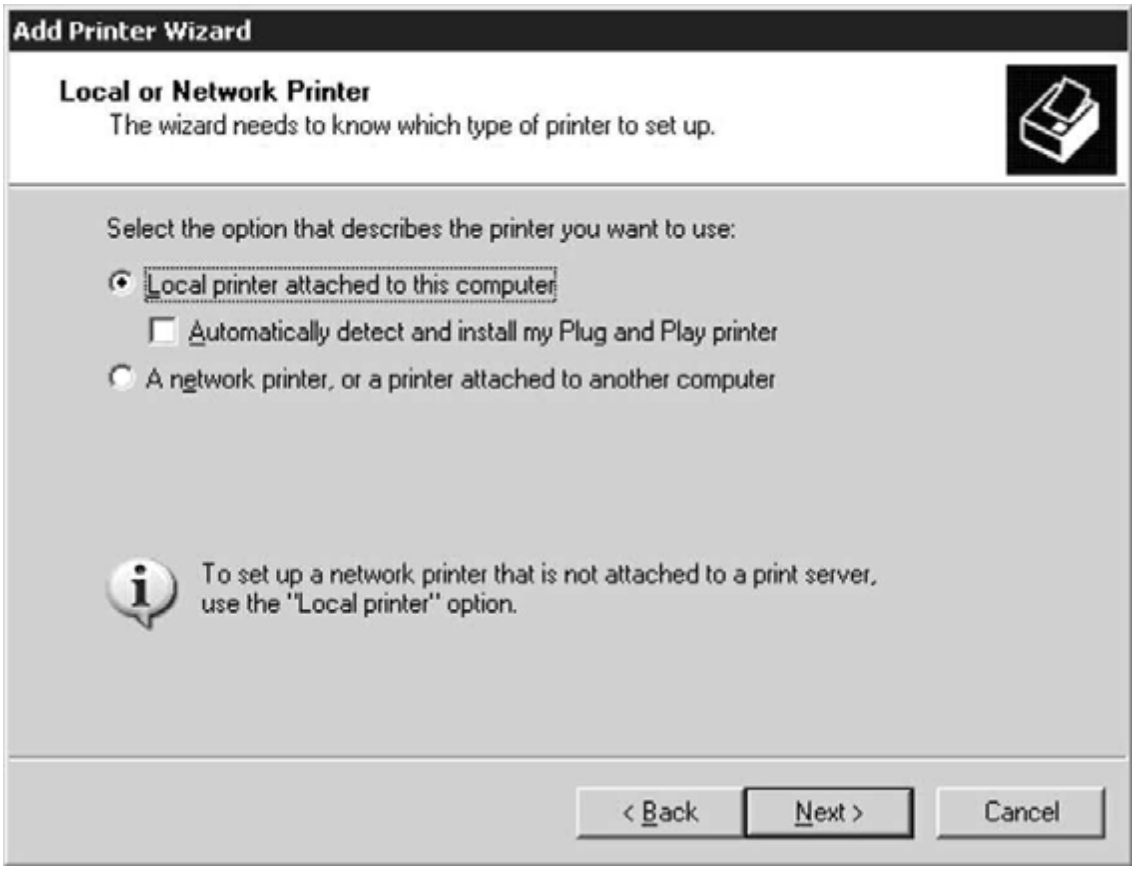
Add Printer Wizard
Local or Network Printer
The wizard needs to know which type of printer to set up.
Select the option that describes the printer you want to use:
Local printer attached to this computer
Automatically detect and install my Plug and Play printer
A network printer, or a printer attached to another computer
To set up a network printer that is not attached to a print server, use the "Local printer" option.
< Back
Next >
Cancel

Fig. 19: 03_printer_LocalorNetwork

- Select “Local printer attached to this computer”.
- Do NOT select “Automatically detect and install my plug and play printer”.
- Click “Next”.

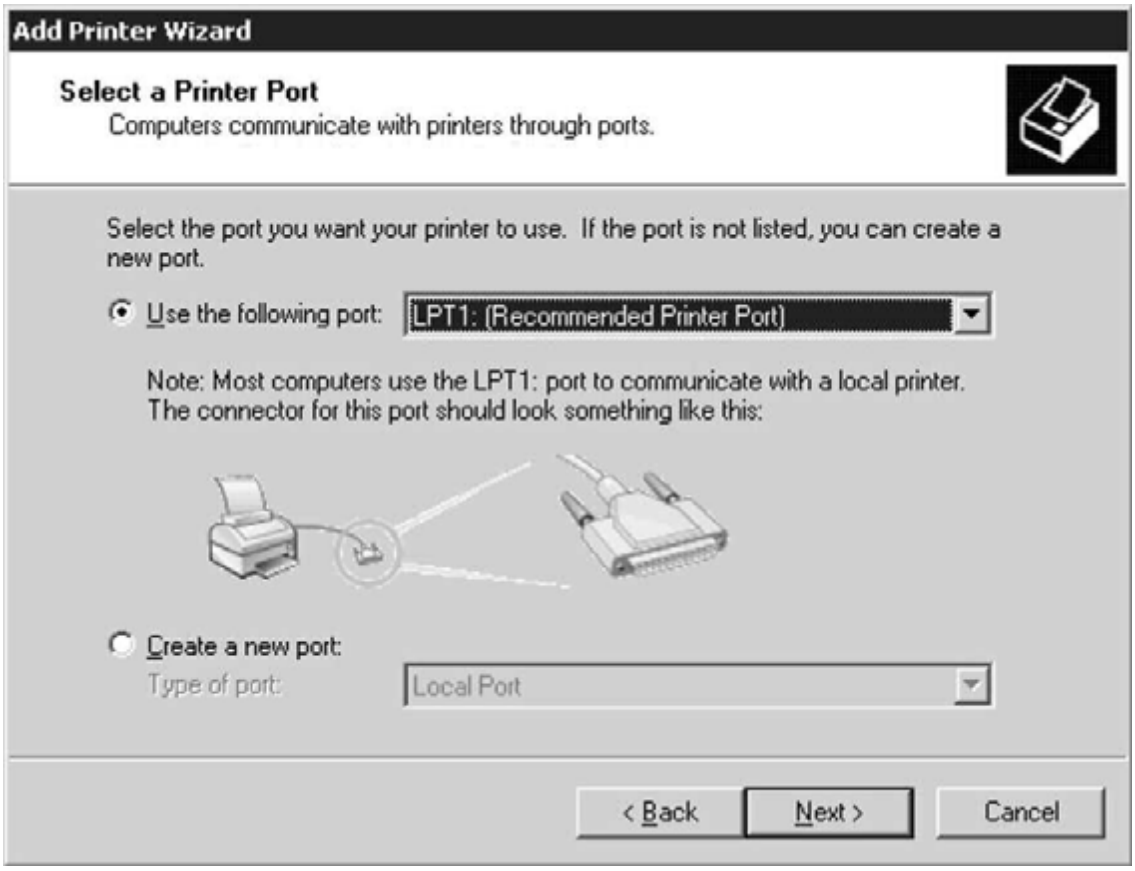
Add Printer Wizard
Select a Printer Port
Computers communicate with printers through ports.
Select the port you want your printer to use. If the port is not listed, you can create a new port.
Use the following port:
LPT1: (Recommended Printer Port)
Note: Most computers use the LPT1: port to communicate with a local printer.
The connector for this port should look something like this:
Create a new port:
Type of port:
Local Port
< Back
Next >
Cancel

Fig. 20: 20_printer_LPT1

- Select “Use the following port”.
- Select “EPR1:(Codonics EP series port monitor)”.
- Click “Next”.

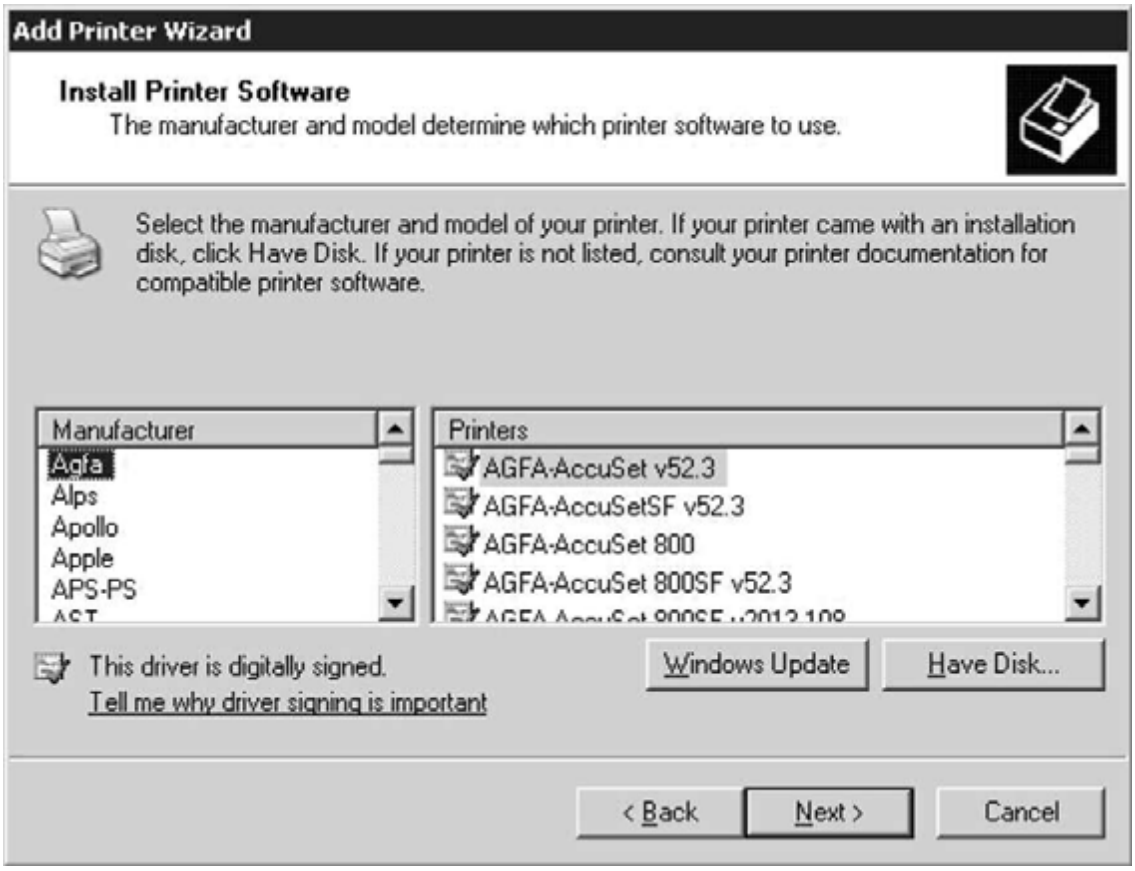
Add Printer Wizard
Install Printer Software
The manufacturer and model determine which printer software to use.
Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for compatible printer software.
Manufacturer
Agfa
Alps
Apollo
Apple
APS-PS
Printers
AGFA-AccuSet v52.3
AGFA-AccuSetSF v52.3
AGFA-AccuSet 800
AGFA-AccuSet 800SF v52.3
This driver is digitally signed.
Tell me why driver signing is important
Windows Update
Have Disk...
< Back
Next >
Cancel

Fig. 21: 13_printer_software

- Click “Have disk”.

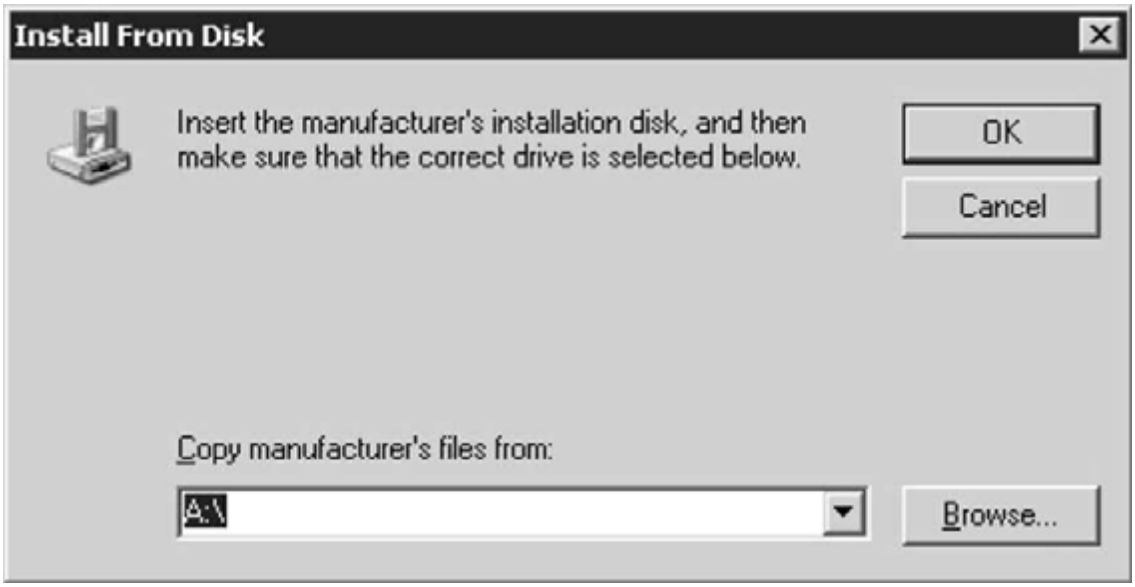

Fig. 22: 14_printer_installfile

- Select path “C:\CODONICS\driver\win_2k_xp” in the pull-down menu.
- Click “OK”.

- Select “Codonics EP 1660”.
- Click “Next”.

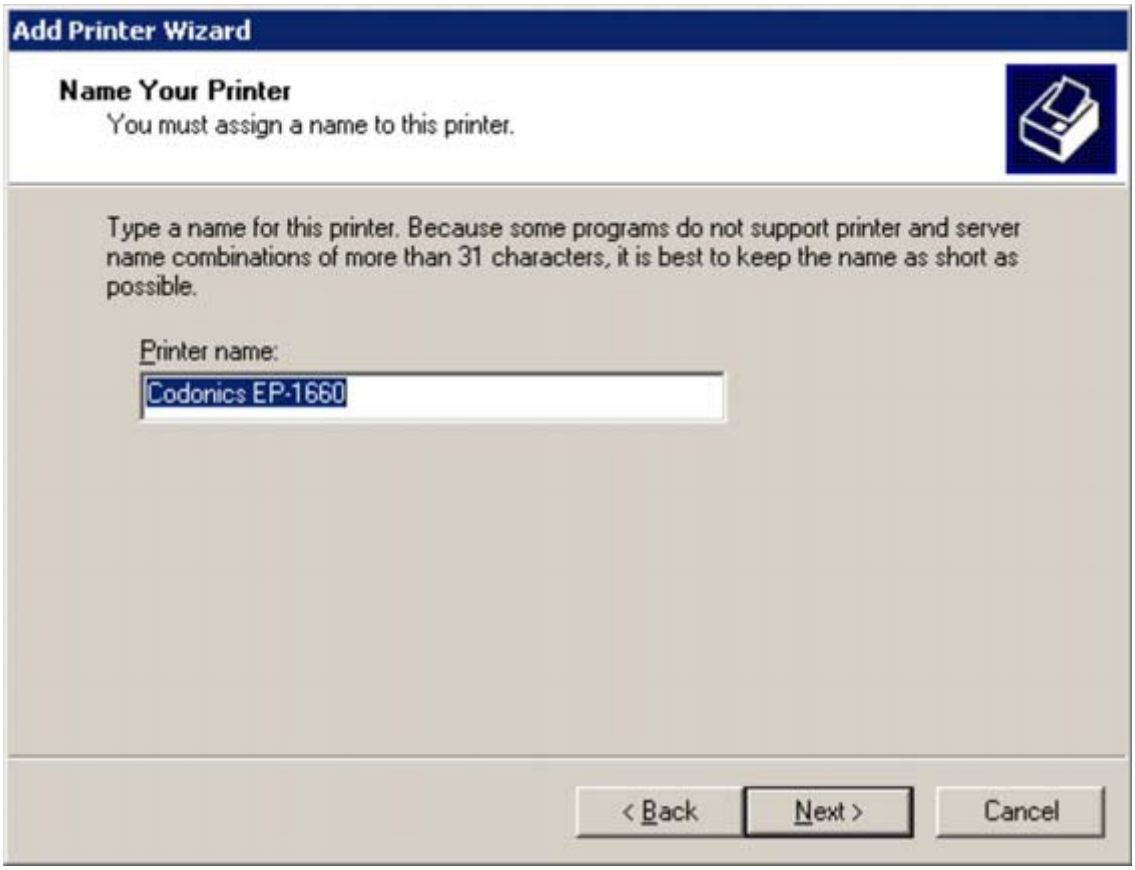
Add Printer Wizard
Name Your Printer
You must assign a name to this printer.
Type a name for this printer. Because some programs do not support printer and server name combinations of more than 31 characters, it is best to keep the name as short as possible.
Printer name:
Codonics EP-1660
< Back
Next >
Cancel

Fig. 23: Codonics printer name

- Check that the following is displayed under Printer: “Codonics EP 1660 ”.
- Select “Yes” under “Do you want to use this printer as default printer?”.
- Click “Next”.

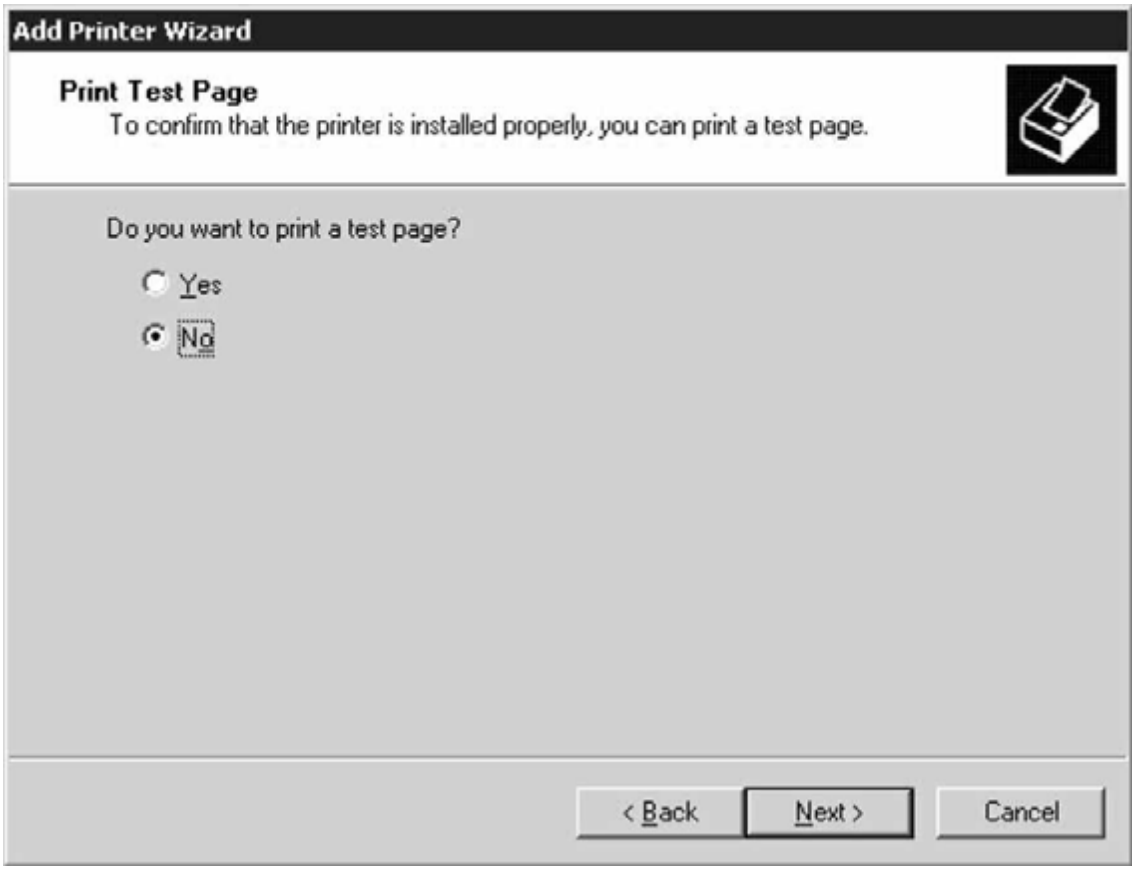
Add Printer Wizard
Print Test Page
To confirm that the printer is installed properly, you can print a test page.
Do you want to print a test page?
Yes
No
< Back
Next >
Cancel

Fig. 24: 17_printer_testpage

- Select “No”.
- Click “Next”.

Fig. 25: Codonics printer EPR

- Click “Finish”.
  - ➪ The files are installed.
- Log off as administrator.

Setting up the default Printer for Reporting

- Click "Options" on the examination task card.
- Click "Configuration".
- Double-click on "Structured reporting".
- Select the installed printer under "Default printer".
  - Even if the installed printer is already displayed.
- Select "8x10" under "Default paper size".
  - Even if "8x10" is already displayed.
- Click "Apply".
- Click "OK".
- Close the syngo configuration panel.

External devices

- Open the service software.
- Select "Configuration".
- Click "Next".

Paper printer

- Select "Paper printer”.

Available paper printer media formats

- Select "A4" and "8x10" and deselect all other formats.
- Click "Next".

LUT files

- Select "PS LUT files”.
- Ensure that "Use LUT for postscript printers” is selected.
- Ensure that "Use floating zoom factors” is not selected.
- Click "Save".

Characteristic curve

- Select the “PrinterLUT_Gamma_2” characteristic curve under “PS LUT directory”.
- Click "Select".
- Click "Save".
- Close the service software.
- Switch the system completely off and restart it.

Printer test

- Edit the point "Printer Test" at the end of this chapter.

Sony UP-D72XR printer installation via USB

NOTE **This printer is only allowed starting with imaging system software VB11.**

NOTE **The Sony printer may not be connected to the PC during imaging system software installation.**

Preparation

- Check whether the system CD is available. If it is not available or the printer driver is not on the CD, the driver can be downloaded from the intranet and burned to CD.
- Ensure that the printer is not connected to the PC.

Administrator

- Log on as administrator.

Deleting a printer

- Click the Windows "Start" button in the task bar.
- Select "Settings".
- Select "Printer and faxes".
  - ➪ A printer is displayed.
- Click on the printer.
  - E.g., Codonics or Sony LPR 1000.
- Click the right mouse button.
- Click on "Delete".
  - If print jobs are still present, the printer cannot be deleted. Delete these print jobs.
    - ➪ The following is displayed: “Are you sure you want to delete the printer ’ ....’ ”
- Click "Yes".
  - ➪ The following is displayed: "Warning: The default printer has been deleted,’ ....’ ”
- Click "OK".
- Close the "Printer and faxes" window.

Printer driver installation

- Insert the "system CD" and close the tray.
- Do not connect the printer to the imaging system PC yet.
- Switch on the printer.
- Right-click on "Start".
  - The "Start" button can be selected in the lower menu bar.
- Click "Explorer".
  - ➪ Explorer opens.
- Select Drive "R:".

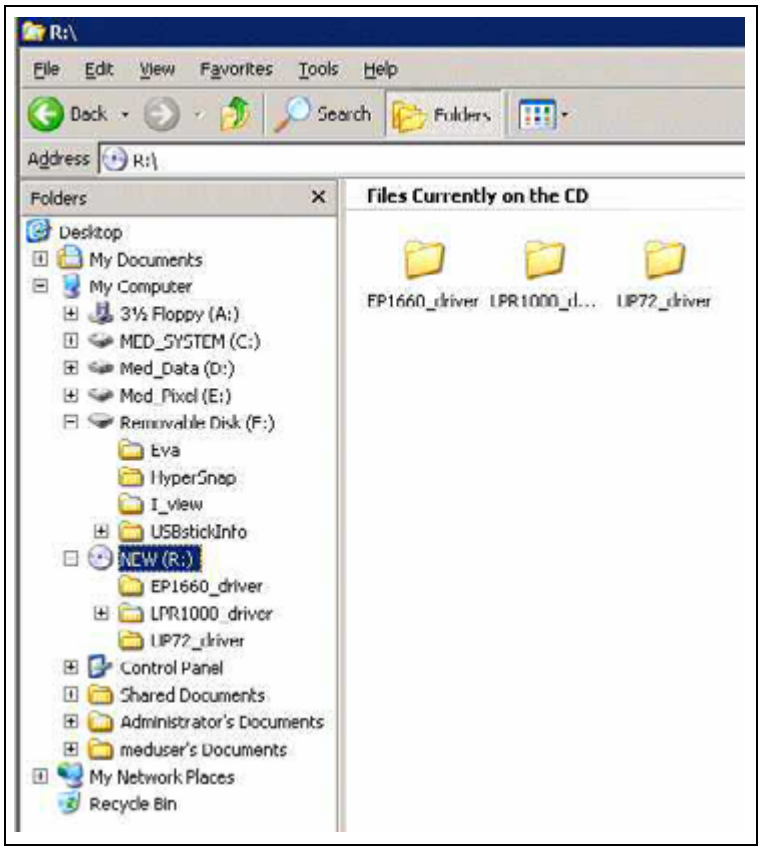

Fig. 26: Sony 2

- Double-click on “UP72_driver”.
- Double-click on “setup.exe”.
  - ➪ The Setup Wizard is displayed.

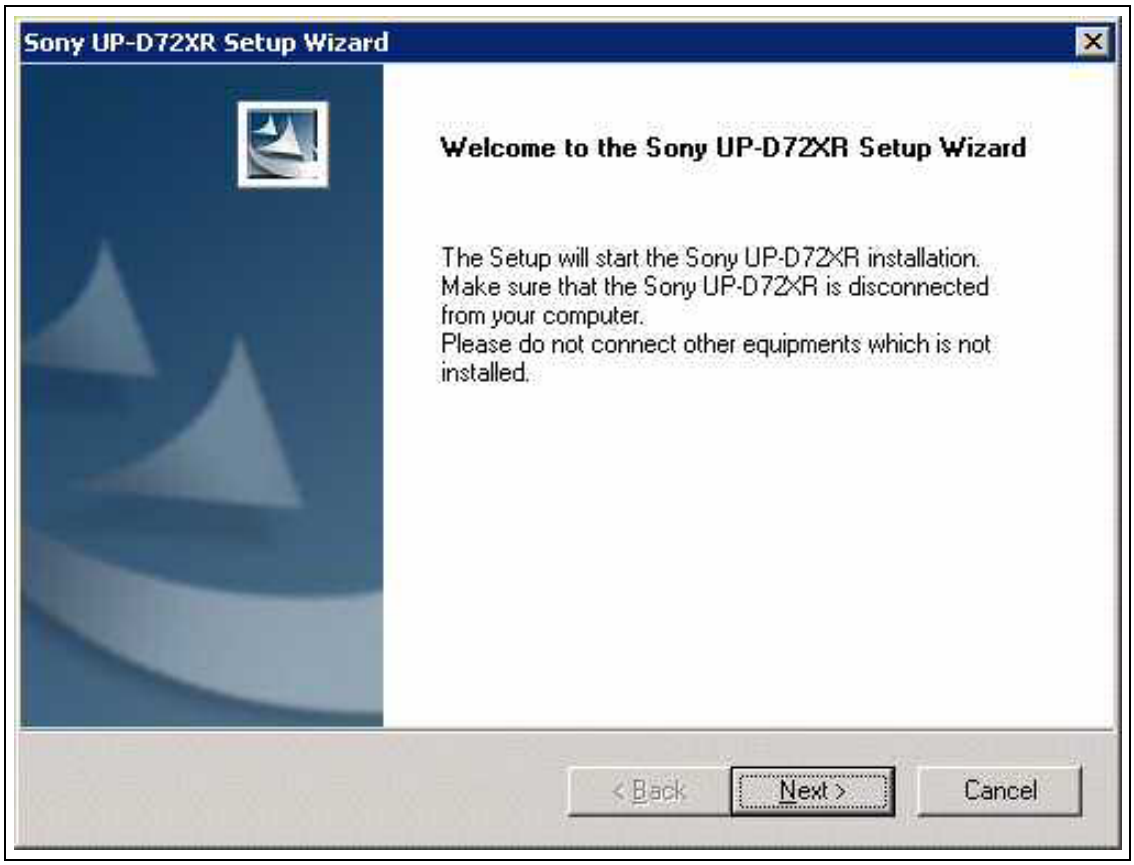
Sony UP-D72XR Setup Wizard
Welcome to the Sony UP-D72XR Setup Wizard
The Setup will start the Sony UP-D72XR installation.
Make sure that the Sony UP-D72XR is disconnected from your computer.
Please do not connect other equipments which is not installed.
< Back
Next >
Cancel

Fig. 27: Sony 3

- Click "Next".
  - ➪ The "license agreement" is displayed.
- Click "Yes".
  - ➪ The "Setup Wizard" starts.

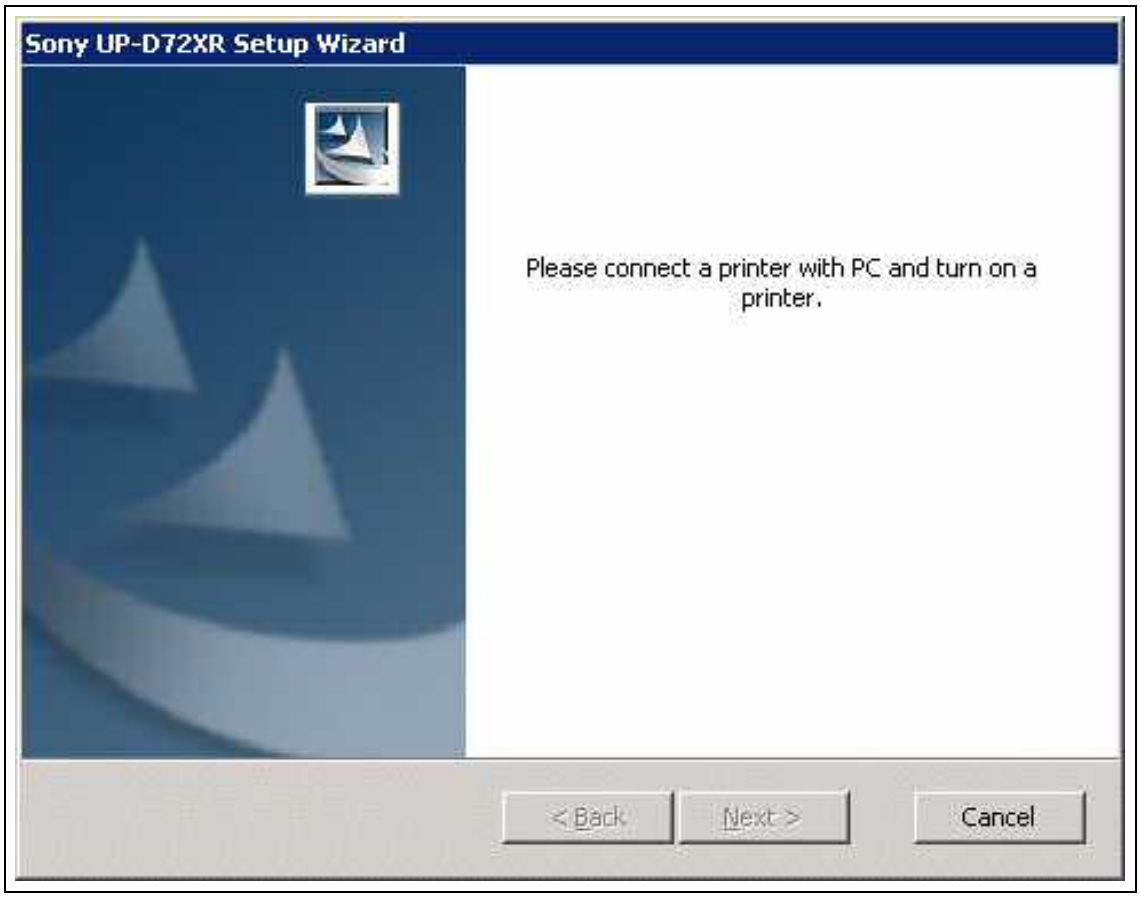

Fig. 28: Sony 1

- Establish the USB connection between the printer and the imaging system PC when the above picture is displayed.
- Click "Next".
  - ➪ The driver is installed.
  - ➪ The following is displayed:”Sony UP_72XR Setup Wizard Complete”.
- Click "Finish".
- Remove the "system CD" and close the tray.

Change the printer name.

- Click the Windows "Start" button in the task bar.
- Select "Settings".
- Select "Printer and faxes".
- Right-click on the “Sony UP-D72XR” printer.
- Click "Rename".
- Change the printer name from “Sony UP-D72XR” to “UP-D72XR .....Codonics”.
  - Instead of the periods between UP-D72XR and Codonics, enter 13 spaces.
    This setting is needed for the hardcopy function.
- Press "Enter".
  ➪ This applies the printer name.

Printing Preferences

- Right-click on the “Sony UP-D72XR” printer.
- Click "Properties".
  ➪ A new window opens.
- Click "Print test page".
- Click "OK".
  ➪ A test page is printed.
- Click "Printing preferences ...".
- Deselect "Margin print".
- Click "Apply".
- Click "Graphics".
- Set "sharpness" to "1".
- Set "dark" to "0".
- Set "gamma" to "+8".
- Set "light" to "-8".
- Click "Apply".
- Click "Save".
  ➪ The "Save settings" window is displayed.
- Click "Save".
  ➪ The displayed window is automatically closed.
- Click "OK".
  ➪ The displayed window is automatically closed.
- Click "OK".
  ➪ The displayed window is automatically closed.
- Log off as administrator.

- Switch the complete system off and on 4 times.
  - This is necessary to activate the installed printer on all syngo levels.

Setting up the default printer for reporting

- Click "Options" on the examination task card.
- Click "Configuration".
- Double-click on "Structured reporting".
- Select the installed printer under "Default printer".
  - Even if the installed printer is already displayed.
- Select "8x10" under "Default paper size".
  - Even if "8x10" is already displayed.
- Click "Apply".
- Click "OK".
- Close the syngo configuration panel.

External devices

- Open the service software.
- Select "Configuration".
- Click "Next".

Paper printer

- Select "Paper printer" under External devices.
  - If a "Paper printer" cannot be selected, "Paper printer" must be selected in the options in the service software under Configuration.

Available paper printer media formats

- Select "A4" and "8x10" and deselect all other formats.
- Click "Save".
  - ➪ The following is displayed: “printer data successfully saved”
- Click "OK".

LUT files

- Select "PS LUT files”.
- Ensure that "Use LUT for postscript printers” is selected.
- Ensure that "Use floating zoom factors” is not selected.

Characteristic curve

- Select the “PrinterLUT_Gamma_2” characteristic curve under “PS LUT directory”.
- Click "Select".
  - ➪ The selected characteristic curve is displayed under Current LUT.
- Click "Save".
- Click "Home".
  - ➪ “A restart of application SW is necessary to make changes valid” is displayed.
- Click "OK".
  - ➪ The system performs a restart.

Loading settings

This is necessary in order to activate the settings for the "MedUser".

- Open the service software.
- Select "Utilities” under Home menu.
- Select "Escape to OS" under Source.
- Select "NT Command Interpreter” under Command.
- Select "Explorer” under Parameter.
- Click "Go".
  - ➪ Explorer is displayed.
- Select "My Computer”.
- Click "Control panel" under "Address".
- Click “Printers and other hardware”.
- Click “View installed printers or fax printers”.
- Right-click on the “Sony UP-D72XR” printer.
- Click "Properties".
  - ➪ A new window opens.
- Click "Printing preferences ...".
- Ensure that "Margin print" is deselected.
- Click "Apply" if possible.
- Click "Graphics".
- Click "Load".
  - ➪ The "Load settings" window is displayed.
- Click "Open".
  - ➪ The "Load settings" window is automatically closed.
- Click "Apply".
- Click "OK".
  - ➪ The displayed window is automatically closed.
- Click "OK".
- Close the "Printer and faxes" window.
- Close the service software.
- Switch the system completely off and restart it.

Printer test

Preparation

- Check whether the system CD is available. If it is not available or the printer LUT characteristic curves are not on the CD, the characteristic curves can be downloaded from the intranet and burned to CD.

Printing a test image

- Open the service software.
- Call up the "SMPTE" test image under Service patient.
- Create a film request.
- Ensure that film is used for printing if possible.
- Select "OK".
  - ➪ A test image is printed.

Print quality

- Compare the "SMPTE" test image with the "SMPTE" test image displayed on the monitor. The minimum contrast in the 5% field and in the 95% field must be visible.

Result 1: Visual image identical

The printed "SMPTE" test image is identical to the "SMPTE" test image displayed on the monitor.

- No further action necessary.

Result 2: Test image appears lighter

The printed "SMPTE" test image is lighter than the "SMPTE" test image displayed on the monitor.

- Check whether the ”PrinterLUT_Gamma_1_8” characteristic curve was activated, as previously described, and activate it if necessary.
- Generate another "SMPTE" test image and compare it.

Result 3: Test image appears darker

The printed "SMPTE" test image is darker than the "SMPTE" test image displayed on the monitor.

- Open the service software.
- Select "Configuration".
- Click "Next".

LUT files

- Select "PS LUT files" under External devices.
- Ensure that "Use LUT for postscript printers" is selected.
- Ensure that "Use floating zoom factors" is not selected.

Characteristic curve

- Insert the "system CD" and close the tray.
- Select "R:\" under Drive.
- Select "LUT" under "Source path".
  - The greater the number of LUT files, the lighter the printed image is.
- Select "PrinterLUT_Gamma_1_2" under "Source path".
  - Always only one printer LUT can be selected.
- Click "Import".
  - ➪ The following is displayed: "File successfully copied".
- Click "OK".
- As described above, select and import all printer LUTs up to PrinterLUT_Gamma_1_9
- Select the "PrinterLUT_Gamma_1_6" characteristic curve under "PS LUT directory".
- Click "Select".
  - ➪ The selected characteristic curve is displayed under Current LUT.
- Click "Save".
- Remove the "system CD" and close the tray.
- Generate another "SMPTE" test image and begin again at the "print quality" section.

NOTE

If the test image is again too dark or too light, activate other printer LUTs, i.e., instead of PrinterLUT_Gamma_1_6, use, for example, PrinterLUT_Gamma_1_4 for a test image that is too light or PrinterLUT_Gamma_1_8 for a test image that is too dark.

Final test

Radiation Summary Report

- Make an exposure for test purposes and then print the radiation summary report.

Sony UP-D72XR Printer Installation via USB

NOTE **The Sony printer may not be connected to the PC during imaging system software installation.**

NOTE **Only the Sony UP-D72XR printer is released for ARCADIS Avantic.**

Preparation

- Ensure that the printer is not connected to the PC.

Administrator

- Log on as administrator.

Printer Driver Installation

- Do not connect the printer to the imaging system PC yet.
- Switch on the printer.
- Click the Windows "Start" button in the task bar.
- Click "Explorer".
  - ➪ Explorer opens.
- Select path ”C:\ASPIA\driver\UPD72” .

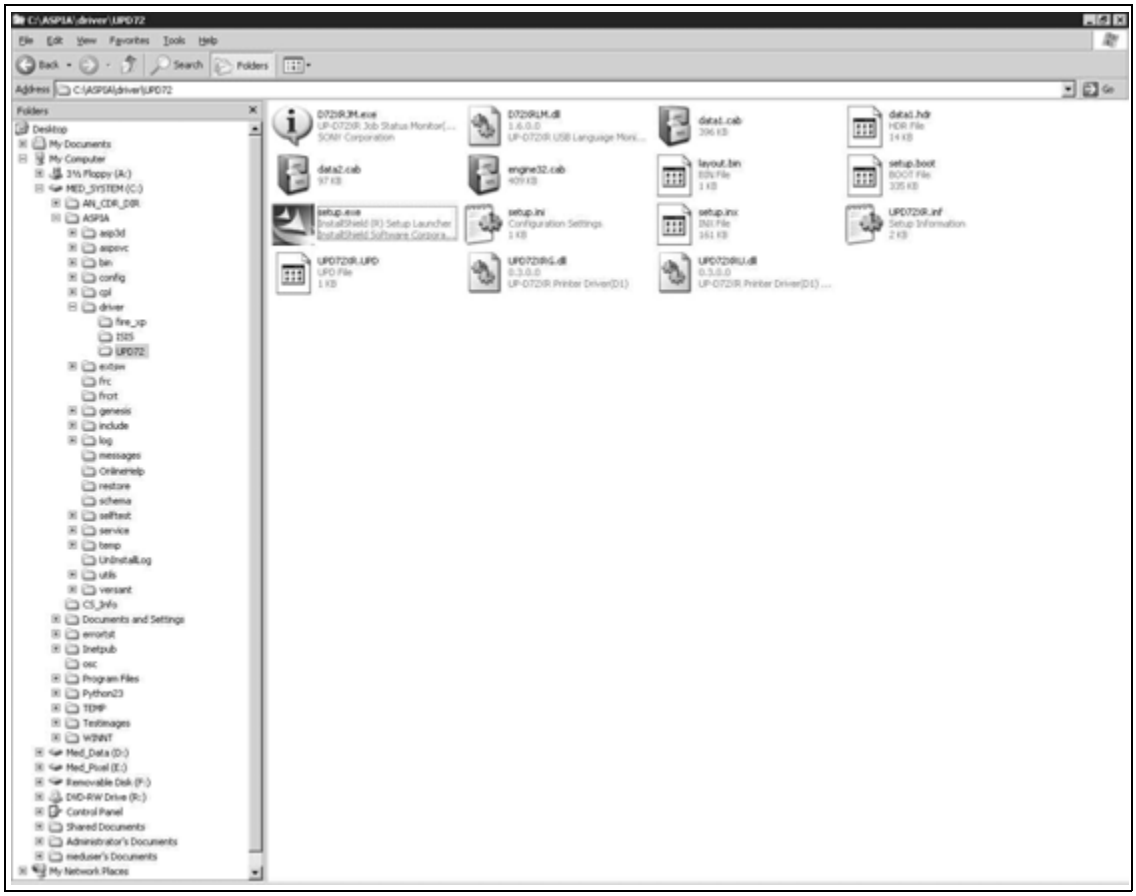

Fig. 29: Aspia driver Explorer

- Double-click on “setup.exe”.
  ➪ The Setup Wizard is displayed.

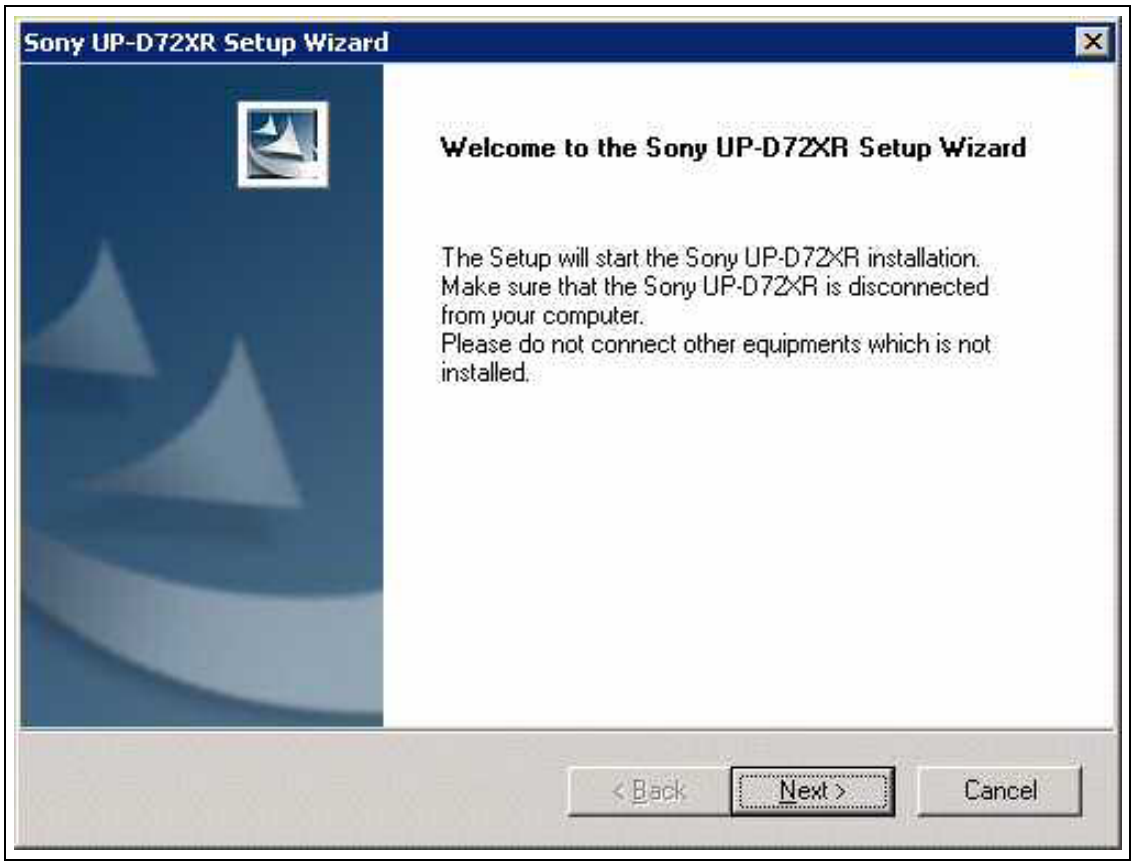
Sony UP-D72XR Setup Wizard
Welcome to the Sony UP-D72XR Setup Wizard
The Setup will start the Sony UP-D72XR installation.
Make sure that the Sony UP-D72XR is disconnected from your computer.
Please do not connect other equipments which is not installed.
< Back
Next >
Cancel

Fig. 30: Sony 3

- Click "Next".
  - ➪ The license agreement is displayed.
- Click "Yes".
  - ➪ The Setup Wizard starts.

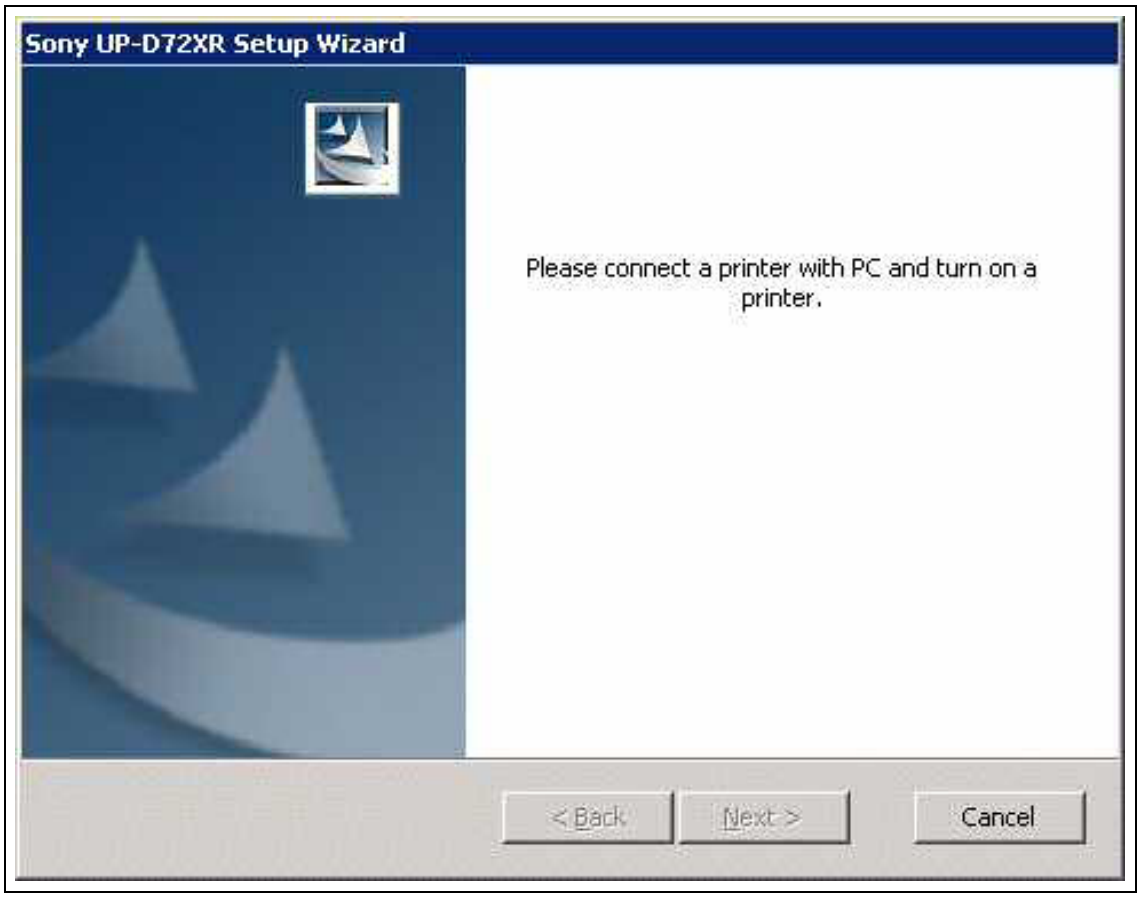

Fig. 31: Sony 1

- Establish the USB connection between the printer and the imaging system PC when the above picture is displayed.
  - ➪ The following is displayed: Printer is found. Push the [Next] button, and installation starts.
- Click "Next".
  - ➪ The driver is installed.
  - ➪ The following is displayed:”Sony UP_72XR Setup Wizard Complete”.
- Click "Finish".

Printing Preferences

- Click the Windows "Start" button in the task bar.
- Select "Settings".
- Select "Printer and faxes".
- Right-click on the “Sony UP-D72XR” printer.
- Click "Properties".
  - ➪ A new window opens.

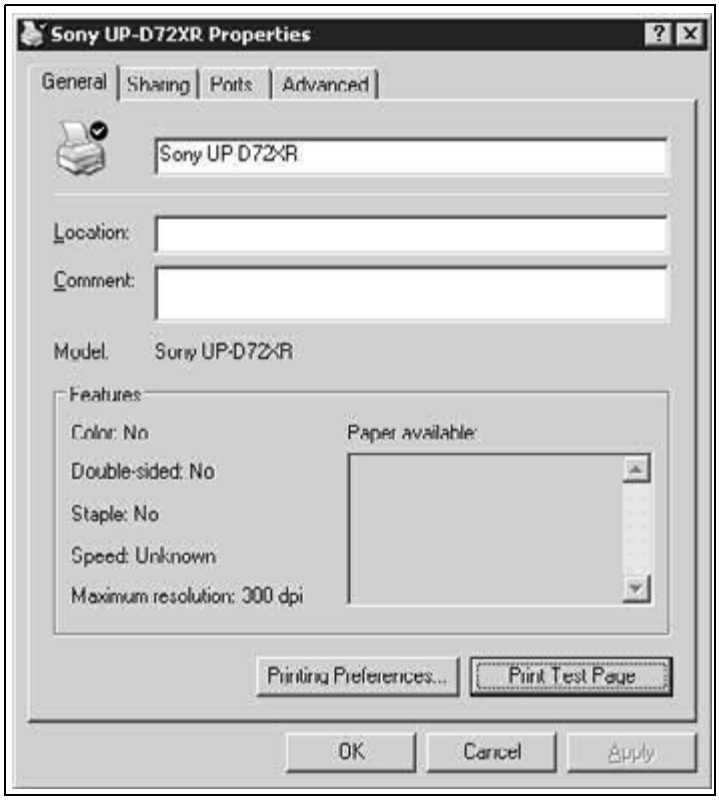

Fig. 32: Sony UPD72 properties

- Click "Print test page".
- Click "OK".
  - ➪ A test page is printed.
- Click "Printing preferences ...".
- Deselect "Margin print".
- Click "Apply".
- Click "Graphics".

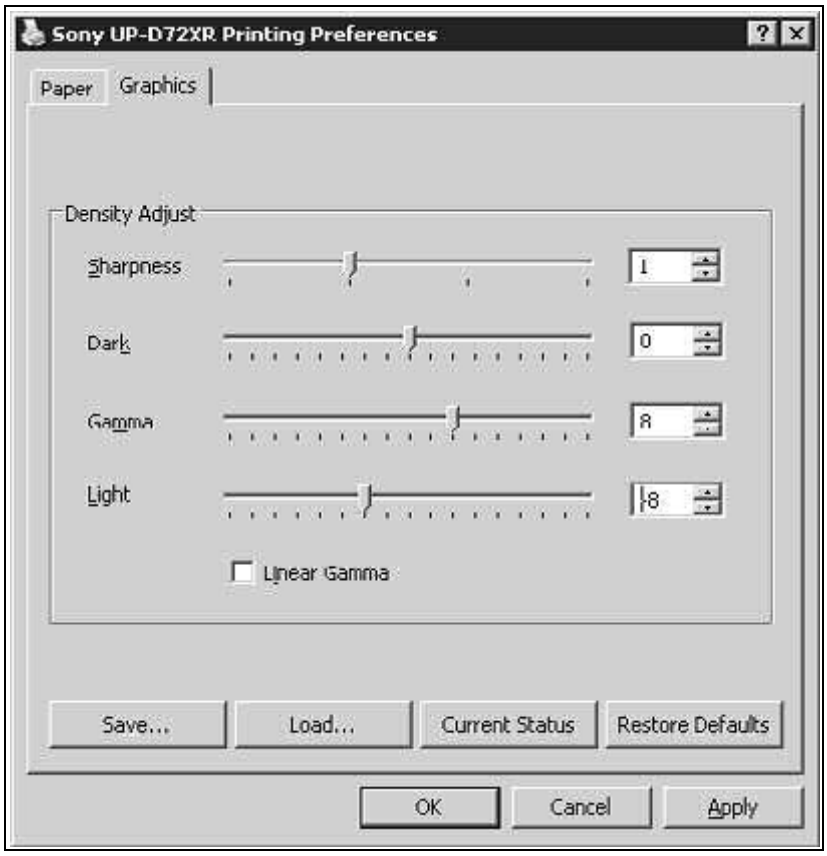

Fig. 33: Printing preferences

- Set "sharpness" to "1".
- Set "dark" to "0".
- Set "gamma" to "+8".
- Set "light" to "-8".
- Click "Apply".
- Click "Save".

  ➪ The "Save settings" window is displayed.

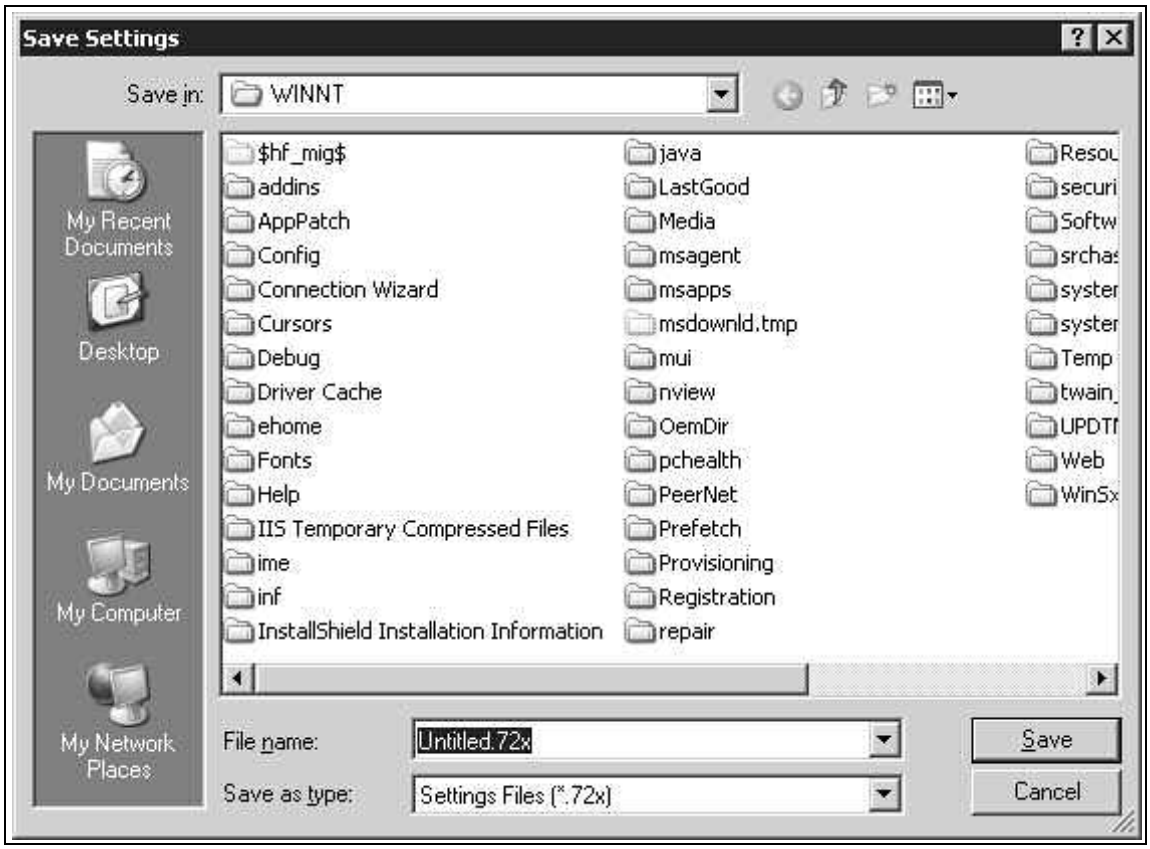

Fig. 34: Save settings

- Click "Save".
  - ➪ The displayed window is automatically closed.
- Click "OK".
  - ➪ The displayed window is automatically closed.
- Click "OK".
  - ➪ The displayed window is automatically closed.
- Log off as administrator.
  - ➪ The imaging system restarts.
- Completely switch off the system and switch it back on.
  - This transfers the data in the system.

Setting up the default Printer for Reporting and Filming Task Card

- Click "Options" on the examination task card.
- Click "Configuration".
- Double-click on "Structured reporting".
- Select the installed printer under "Default printer".
  - Even if the installed printer is already displayed.
- Select "8x10" under "Default paper size".
  - Even if "8x10" is already displayed.
- Click "Apply".
- Click "OK".
- Double-click on "Filming Layout" in the configuration panel.
- Select "8x10" under "Film size".
- Click "Apply".
- Click "OK".
- Close the syngo configuration panel.

External Devices

- Open the service software.
- Select "Configuration".
- Click "Next".

Paper printer

- Select "Paper printer”.
  - If a "Paper printer" cannot be selected, "Paper printer" must be selected in the service software options under Configuration.

Available paper printer media formats

- Select "A4" and "8x10" and deselect all other formats.
- Click "Save".
- Click "Next".

LUT files

- Select "PS LUT files”.
- Ensure that "Use LUT for postscript printers” is selected.
- Ensure that "Use floating zoom factors” is not selected.

Characteristic curve

- Select the “PrinterLUT_Gamma_1_8” characteristic curve under “PS LUT directory”.
- Click "Select".
  - ➪ The selected characteristic curve is displayed under Current LUT.
- Click "Save".
- Click "Home".
  - ➪ “A system reboot is necessary to make changes valid! Press OK to start shutdown or select Cancel" is displayed.
- Click "OK".
  - ➪ The system will perform a reboot.

Loading Settings

This is necessary in order to activate the settings for the "MedUser".

- Open the service software.
- Select "Utilities" under Home menu.
- Select "Escape to OS" under Source.
- Select "NT Command Interpreter" under Command.
- Select "Explorer" under Parameter.
- Click "Go".
  - ➪ Explorer is displayed.
- Select "My Computer".
- Click "Control panel" under Address.
  - List on the upper edge of the Explorer
- Select "Printers and faxes".
- Right-click on the "Sony UP-D72XR" printer.
- Click "Properties".
  - ➪ A new window opens.
- Click "Printing preferences ...".
- Ensure that "Margin print" is deselected.
- Click "Apply" if possible.
- Click "Graphics".
- Click "Load".
  - ➪ The "Load settings" window is displayed.
- Click "Open".
  - ➪ The "Load settings" window is automatically closed.
- Click "Apply".
- Click "OK".
  - ➪ The displayed window is automatically closed.
- Click "OK".
- Close the "Printer and faxes" window.
- Close the service software
- Switch the system completely off and restart it.

Printer Test

Printing a Test Image

- Open the service software.
- Call up the "SMPTE" test image under Service patient.
- Create a film request.
- Ensure that film is used for printing if possible.
- Select "OK".
  - ➪ A test image is printed.

Print quality

- Compare the "SMPTE" test image to the "SMPTE" test image displayed on the monitor. The minimum contrast in the 5% field and in the 95% field must be visible.

Result 1: Visual image identical

The printed "SMPTE" test image is identical to the "SMPTE" test image displayed on the monitor.

- No further action is necessary.

Result 2: Test image appears lighter

The printed "SMPTE" test image is lighter than the "SMPTE" test image displayed on the monitor.

- Select "PS LUT files" in the service software..
- Ensure that "Use LUT for postscript printers" is selected.
- Ensure that "Use floating zoom factors" is not selected.
- Select the "PrinterLUT_Gamma_1_6" characteristic curve under "PS LUT directory".
- Click "Select".
  - ➪ The selected characteristic curve is displayed under Current LUT.
- Click "Save".
- Click "Home".
  - ➪ "A restart of application SW is necessary to make changes valid" is displayed.
- Click "OK".
  - ➪ The system performs a restart.
- Generate another "SMPTE" test image and begin again at the "Print quality" section.

NOTE

If the printed test image is still too light, use a different printer LUT characteristic curve.

The lower the number of the printer LUT characteristic curve, the lighter the image will be printed

Result 3: Test image appears darker

The printed "SMPTE" test image is darker than the "SMPTE" test image displayed on the monitor.

- Select "PS LUT files" in the service software..
- Ensure that "Use LUT for postscript printers" is selected.
- Ensure that "Use floating zoom factors" is not selected.
- Select the "PrinterLUT_Gamma_1_9" characteristic curve under "PS LUT directory".
- Click "Select".
  - ➪ The selected characteristic curve is displayed under Current LUT.
- Click "Save".
- Click "Home".
  - ➪ "A restart of application SW is necessary to make changes valid" is displayed.
- Click "OK".
  - ➪ The system performs a restart.
- Generate another "SMPTE" test image and begin again at the "Print quality" section.

NOTE

If the printed test image is still too dark, use a different printer LUT characteristic curve.

The higher the number of the printer LUT characteristic curve, the darker the image will be printed.

Final Test

Radiation summary report

- Make an exposure for test purposes and then print the radiation summary report.

Chapter ARCADIS Avantic Printer Software Installation added.

Sony LPR 1000 printer installation removed.